

**BRIEF DESCRIPTION OF THE DRAWINGS**

The present invention can be more fully understood by reading the subsequent detailed description in conjunction with the examples and references made to the accompanying drawings, wherein:

Fig. 1 is a conventional ridge-and-fringe-field vertical alignment structure;

Fig. 2 is a conventional multi-domain vertical-aligned structure;

Fig. 3 is a perspective diagram of the LCD of the present invention;

Fig. 4A is the top view of Fig.3;

Fig. 4B is the cross-section diagram along line bb' of Fig.4A;

Fig. 4C is the cross-sectional diagram along line aa' of Fig. 4A;

Fig. 5A is the top view of the liquid crystal molecules with horizontal arrangement in the display cell of the present invention when no external voltage is applied;

Fig. 5B shows the arrangement of the liquid crystal molecules when an external voltage is applied;

Fig. 6A is the cross-sectional view of the liquid crystal molecules in a vertical arrangement in the present invention, when no external voltage is applied across the electrode pair;

Fig. 6B is a diagram of liquid crystal molecules when an external voltage is applied in Fig. 6A;

Figs. 7A to 7D are the four possible designs of the electrode pair;

Fig. 8A is the top view of the multi-electrode pairs of the present invention;

Fig. 8B is the cross-sectional diagram of Fig.8A along line aa;

Fig. 9A shows the electrode pair of the present invention located in the center of the display cell;

Fig. 9B shows the electrode pairs located at the corners of the display cell;